

EMC shield clamps for screw assembly

with or without integrated strain relief



EMC shield clamps are used, where the shield of cables must be connected to the earth potential. They are easy to use and effective in earthing single cable shields.

When using types with integrated strain relief cables can be fixed via the cable jacket using cable ties. Thus strain relief in accordance with EN 62444 is achieved. We also offer EMC shield clamps with double strain relief function acc. to PROFINET installation guidelines.

Due to its special design the clamping ranges of the MSKL are very large while the dimensions are comparatively small. (Example: MSKL 3-12, assembled with a 12 mm cable shield: width 26.25 mm). The EMC shield clamp LFZ-MJMSKL is also available as 45° and 90° angled version. The 45° angled type is suitable for the use in frequency converters from various manufacturers. Thus, the cable can be inserted in a 45° angle into the wiring duct. For the cable routing and strain relieving on edges the 90° angled type can be used.

The shield clamps are easily attached to mounting plates via screw.

The shield clamp LFZ-UJMSKL is available for M4 or M5 screws. During assembly it is sufficient to loosen the existing screw slightly to be able to slide the clamp underneath before re-tightening the screw.

Shield clamps LFZ-U-AB are especially suitable for mounting on Allen Bradley Powerflex 525 & Powerflex 527 AC drives. Direct contacting on the drive saves space and interference signals are picked up directly at the interference source.

Specifications

Material	Shield clamp: Spring steel, zinc plated Shield bracket: Mild steel, galvanically zinc plated Screw foot: Mild steel, galvanically zinc plated
Properties	vibration proof
Mounting options	Screw type mounting

Advantages & benefits

- Partially with integrated strain relief
- Large contact area
- Shield contact and strain relief separated
- Easy assembly and removal
- The spring design requires no adjustments and will permanently maintain contact to the cable shield
- Shock and vibration resistant, maintenance free
- Integrated double strain relief function acc. to PROFINET installation guidelines

Product types & sizes

LFJMSKL 3-12



Part No.	37608
EAN	4251269316890
PU	10
No. of shield clamps	1
For max. no. of cables	1
Min. shield diam.	3 mm
Max. shield diam.	12 mm

Length	24 mm
Width	15 mm
Height	26 mm
Mounting height	26 mm

LF|MSKL 8-18



Part No.	37610	Length	24 mm
EAN	4251269316906	Width	20 mm
PU	10	Height	32 mm
No. of shield clamps	1	Mounting height	32 mm
For max. no. of cables	1		
Min. shield diam.	8 mm		
Max. shield diam.	18 mm		

LF|SKL 1.5-3



Part No.	36251	Length	24 mm
EAN	4251269302404	Width	11,8 mm
PU	10	Height	18,4 mm
No. of shield clamps	1	Mounting height	18,4 mm
For max. no. of cables	1		
Min. shield diam.	1,5 mm		
Max. shield diam.	3 mm		

LF|SKL 3-6



Part No.	36253	Length	24 mm
EAN	4251269302428	Width	11,8 mm
PU	10	Height	19 mm
No. of shield clamps	1	Mounting height	19 mm
For max. no. of cables	1		
Min. shield diam.	3 mm		
Max. shield diam.	6 mm		

LF|SKL 6-8



Part No.	36255	Length	24 mm
EAN	4251269302435	Width	11,8 mm
PU	10	Height	20,5 mm
No. of shield clamps	1	Mounting height	20,5 mm
For max. no. of cables	1		
Min. shield diam.	6 mm		
Max. shield diam.	8 mm		

LF|SKL 8-11



Part No.	36256	Length	24 mm
EAN	4251269302442	Width	14 mm
PU	10	Height	25,5 mm
No. of shield clamps	1	Mounting height	25,5 mm
For max. no. of cables	1		
Min. shield diam.	8 mm		
Max. shield diam.	11 mm		

LF|SKL 11-17



Part No.	36257	Length	24 mm
EAN	4251269302459	Width	21 mm
PU	10	Height	32,5 mm
No. of shield clamps	1	Mounting height	32,5 mm
For max. no. of cables	1		
Min. shield diam.	11 mm		
Max. shield diam.	17 mm		

LF|SKL 17-22



Part No. **36258**
 EAN **4251269302466**
 PU **10**
 No. of shield clamps **1**
 For max. no. of cables **1**
 Min. shield diam. **17 mm**
 Max. shield diam. **22 mm**

Length **24 mm**
 Width **26,5 mm**
 Height **40 mm**
 Mounting height **40 mm**

LF|SKL 22-30



Part No. **36259**
 EAN **4251269302473**
 PU **10**
 No. of shield clamps **1**
 For max. no. of cables **1**
 Min. shield diam. **22 mm**
 Max. shield diam. **30 mm**

Length **24 mm**
 Width **35 mm**
 Height **44,4 mm**
 Mounting height **44,4 mm**

LFZ-M|MSKL 3-12



Part No. **37612**
 EAN **4251269316913**
 PU **10**
 No. of shield clamps **1**
 Strain relief (acc. to EN 62444) **1**
 For max. no. of cables **1**
 Min. shield diam. **3 mm**

Max. shield diam. **12 mm**
 Length **46,3 mm**
 Width **15 mm**
 Height **26 mm**
 Mounting height **26 mm**

LFZ-M(45°)|MSKL 3-12



Part No. **37660.1**
 EAN **4251269320965**
 PU **10**
 No. of shield clamps **1**
 Strain relief (acc. to EN 62444) **1**
 For max. no. of cables **1**
 Min. shield diam. **3 mm**

Max. shield diam. **12 mm**
 Length **45,1 mm**
 Width **14,9 mm**
 Height **33,1 mm**

LFZ-M(90°)|MSKL 3-12



Part No. **37661.1**
 EAN **4251269321450**
 PU **10**
 No. of shield clamps **1**
 Strain relief (acc. to EN 62444) **1**
 For max. no. of cables **1**
 Min. shield diam. **3 mm**


Max. shield diam. **12 mm**
 Length **34,7 mm**
 Width **14,9 mm**
 Height **37,1 mm**


LFZ-M|MSKL 8-18





Part No. **37614**
 EAN **4251269316920**
 PU **10**
 No. of shield clamps **1**
 Strain relief (acc. to EN 62444) **1**
 For max. no. of cables **1**
 Min. shield diam. **8 mm**


Max. shield diam. **18 mm**
 Length **46,3 mm**
 Width **20 mm**
 Height **32,2 mm**
 Mounting height **32,2 mm**


	LFZ-M(45°)MSKL 8-18	Part No.	37660.2	Max. shield diam.	18 mm
		EAN	4251269320972	Length	45,1 mm
		PU	10	Width	19,7 mm
		No. of shield clamps	1	Height	39,3 mm
		Strain relief (acc. to EN 62444)	1		
		For max. no. of cables	1		
		Min. shield diam.	8 mm		

	LFZ-M(90°)MSKL 8-18	Part No.	37661.2	Max. shield diam.	18 mm
		EAN	4251269321467	Length	34,7 mm
		PU	10	Width	19,4 mm
		No. of shield clamps	1	Height	43,3 mm
		Strain relief (acc. to EN 62444)	1		
		For max. no. of cables	1		
		Min. shield diam.	8 mm		

	LFZ SKL 1.5-3	Part No.	36910	Max. shield diam.	3 mm
		EAN	4251269305054	Length	44,4 mm
		PU	10	Width	11,8 mm
		No. of shield clamps	1	Height	18,4 mm
		Strain relief (acc. to EN 62444)	1	Mounting height	18,4 mm
		For max. no. of cables	1		
		Min. shield diam.	1,5 mm		

	LFZ SKL 3-6	Part No.	36915	Max. shield diam.	6 mm
		EAN	4251269305061	Length	44,4 mm
		PU	10	Width	11,8 mm
		No. of shield clamps	1	Height	19,1 mm
		Strain relief (acc. to EN 62444)	1	Mounting height	19,1 mm
		For max. no. of cables	1		
		Min. shield diam.	3 mm		

	LFZ SKL 6-8	Part No.	36920	Max. shield diam.	8 mm
		EAN	4251269305078	Length	44,4 mm
		PU	10	Width	11,8 mm
		No. of shield clamps	1	Height	20,5 mm
		Strain relief (acc. to EN 62444)	1	Mounting height	20,5 mm
		For max. no. of cables	1		
		Min. shield diam.	6 mm		

	LFZ SKL 8-11	Part No.	36925	Max. shield diam.	11 mm
		EAN	4251269305085	Length	44,4 mm
		PU	10	Width	14 mm
		No. of shield clamps	1	Height	25,5 mm
		Strain relief (acc. to EN 62444)	1	Mounting height	25,5 mm
		For max. no. of cables	1		
		Min. shield diam.	8 mm		

LFZ|SKL 11-17

Part No.	36930	Max. shield diam.	17 mm
EAN	4251269305092	Length	55 mm
PU	10	Width	21 mm
No. of shield clamps	1	Height	33 mm
Strain relief (acc. to EN 62444)	1	Mounting height	33 mm
For max. no. of cables	1		
Min. shield diam.	11 mm		

LFZ|SKL 17-22

Part No.	36935	Max. shield diam.	22 mm
EAN	4251269305108	Length	55 mm
PU	10	Width	26,5 mm
No. of shield clamps	1	Height	40 mm
Strain relief (acc. to EN 62444)	1	Mounting height	40 mm
For max. no. of cables	1		
Min. shield diam.	17 mm		

LFZ|SKL 22-30

Part No.	36940	Max. shield diam.	30 mm
EAN	4251269305115	Length	55 mm
PU	10	Width	35 mm
No. of shield clamps	1	Height	44 mm
Strain relief (acc. to EN 62444)	1	Mounting height	44 mm
For max. no. of cables	1		
Min. shield diam.	22 mm		

LFZ|SKL 30-38

Part No.	36941	Max. shield diam.	38 mm
EAN	4251269319082	Length	55 mm
PU	10	Width	46,5 mm
No. of shield clamps	1	Height	67 mm
Strain relief (acc. to EN 62444)	1	Mounting height	67 mm
For max. no. of cables	1		
Min. shield diam.	30 mm		

LFZ-U4|SKL 1.5-3

Part No.	36886.1	Min. shield diam.	1,5 mm
EAN	4251269304972	Max. shield diam.	3 mm
PU	10	Width	11,8 mm
No. of shield clamps	1	Height	18,4 mm
Length	44,4 mm	Mounting height	18,4 mm
Strain relief (acc. to EN 62444)	1		
For max. no. of cables	1		

LFZ-U4|SKL 3-6

Part No.	36886.2	Min. shield diam.	3 mm
EAN	4251269304989	Max. shield diam.	6 mm
PU	10	Width	11,8 mm
No. of shield clamps	1	Height	19,1 mm
Length	44,4 mm	Mounting height	19,1 mm
Strain relief (acc. to EN 62444)	1		
For max. no. of cables	1		

LFZ-U4|SKL 6-8

Part No.	36886.3	Min. shield diam.	6 mm
EAN	4251269304996	Max. shield diam.	8 mm
PU	10	Width	11,8 mm
No. of shield clamps	1	Height	20,5 mm
Length	44,4 mm	Mounting height	20,5 mm
Strain relief (acc. to EN 62444)	1		
For max. no. of cables	1		

LFZ-U4|SKL 8-11

Part No.	36886.4	Min. shield diam.	8 mm
EAN	4251269305009	Max. shield diam.	11 mm
PU	10	Width	14 mm
No. of shield clamps	1	Height	25,5 mm
Length	44,4 mm	Mounting height	25,5 mm
Strain relief (acc. to EN 62444)	1		
For max. no. of cables	1		

LFZ-U5|SKL 1.5-3

Part No.	36887.1	Min. shield diam.	1,5 mm
EAN	4251269305016	Max. shield diam.	3 mm
PU	10	Width	11,8 mm
No. of shield clamps	1	Height	18,4 mm
Length	44,4 mm	Mounting height	18,4 mm
Strain relief (acc. to EN 62444)	1		
For max. no. of cables	1		

LFZ-U5|SKL 3-6

Part No.	36887.2	Min. shield diam.	3 mm
EAN	4251269305023	Max. shield diam.	6 mm
PU	10	Width	11,8 mm
No. of shield clamps	1	Height	19,1 mm
Length	44,4 mm	Mounting height	19,1 mm
Strain relief (acc. to EN 62444)	1		
For max. no. of cables	1		

LFZ-U5|SKL 6-8

Part No.	36887.3	Min. shield diam.	6 mm
EAN	4251269305030	Max. shield diam.	8 mm
PU	10	Width	11,8 mm
No. of shield clamps	1	Height	20,5 mm
Length	44,4 mm	Mounting height	20,5 mm
Strain relief (acc. to EN 62444)	1		
For max. no. of cables	1		

LFZ-U5|SKL 8-11

Part No.	36887.4	Min. shield diam.	8 mm
EAN	4251269305047	Max. shield diam.	11 mm
PU	10	Width	14 mm
No. of shield clamps	1	Height	25,5 mm
Length	44,4 mm	Mounting height	25,5 mm
Strain relief (acc. to EN 62444)	1		
For max. no. of cables	1		

LFZ-U-AB|SKL 6-8

Part No.	36948.3	Min. shield diam.	6 mm
EAN	4251269322365	Max. shield diam.	8 mm
PU	10	Width	11,8 mm
No. of shield clamps	1	Height	27,2 mm
Length	43,6 mm	Mounting height	27,2 mm
Strain relief (acc. to EN 62444)	1		
For max. no. of cables	1		

LFZ-U-AB|SKL 8-11

Part No.	36948.4	Min. shield diam.	8 mm
EAN	4251269322372	Max. shield diam.	11 mm
PU	10	Width	14 mm
No. of shield clamps	1	Height	32,2 mm
Length	43,6 mm	Mounting height	32,2 mm
Strain relief (acc. to EN 62444)	1		
For max. no. of cables	1		

LF2Z|SKL 17-22

Part No.	37590.150	Min. shield diam.	17 mm
EAN	4251269324871	Max. shield diam.	22 mm
PU	10	Width	21 mm
No. of shield clamps	1	Height	32,5 mm
Length	51 mm	Mounting height	32,5 mm
Strain relief (acc. to EN 62444)	1		
For max. no. of cables	1		

LF2Z|SKL 22-30


Part No.	37591.150	Min. shield diam.	22 mm
EAN	4251269324888	Max. shield diam.	30 mm
PU	10	Width	35 mm
No. of shield clamps	1	Height	41,3 mm
Length	51 mm	Mounting height	41,3 mm
Strain relief (acc. to EN 62444)	1		
For max. no. of cables	1		


LF2Z-M|MSKL 3-12


Part No.	37665.150	Min. shield diam.	3 mm
EAN	4251269320941	Max. shield diam.	12 mm
PU	10	Width	14,9 mm
No. of shield clamps	1	Height	26 mm
Length	51 mm	Mounting height	26 mm
Strain relief (acc. to EN 62444)	1		
For max. no. of cables	1		


LF2Z-M|MSKL 8-18


Part No.	37666.150	Min. shield diam.	8 mm
EAN	4251269320958	Max. shield diam.	18 mm
PU	10	Width	19,7 mm
No. of shield clamps	1	Height	32,2 mm
Length	51 mm	Mounting height	32,2 mm
Strain relief (acc. to EN 62444)	1		
For max. no. of cables	1		


SK 3-8 	Part No.	36222.002	Width	13 mm
	EAN	4251269302190	Height	26 mm
	PU	10		
	For max. no. of cables	1		
	Min. shield diam.	3 mm		
	Max. shield diam.	8 mm		
	Length	18,5 mm		

SK 4-13.5 	Part No.	36224.002	Width	20 mm
	EAN	4251269302206	Height	32 mm
	PU	10		
	For max. no. of cables	1		
	Min. shield diam.	4 mm		
	Max. shield diam.	13,5 mm		
	Length	22 mm		

SK 10-20 	Part No.	36226	Width	25 mm
	EAN	4251269302213	Height	41 mm
	PU	10		
	For max. no. of cables	1		
	Min. shield diam.	10 mm		
	Max. shield diam.	20 mm		
	Length	27 mm		

SK 15-32 	Part No.	36228	Width	37 mm
	EAN	4251269302220	Height	64 mm
	PU	10		
	For max. no. of cables	1		
	Min. shield diam.	15 mm		
	Max. shield diam.	32 mm		
	Length	33,5 mm		

SKZ 3-8 	Part No.	36222	Length	30,5 mm
	EAN	4251269302190	Width	12,8 mm
	PU	10	Height	31,8 mm
	Strain relief (acc. to EN 62444)	1		
	For max. no. of cables	1		
	Min. shield diam.	3 mm		
	Max. shield diam.	8 mm		

SKZ 4-13.5 	Part No.	36224	Length	36 mm
	EAN	4251269302206	Width	22 mm
	PU	10	Height	37,8 mm
	Strain relief (acc. to EN 62444)	1		
	For max. no. of cables	1		
	Min. shield diam.	4 mm		
	Max. shield diam.	13,5 mm		

